

Implementation Fest

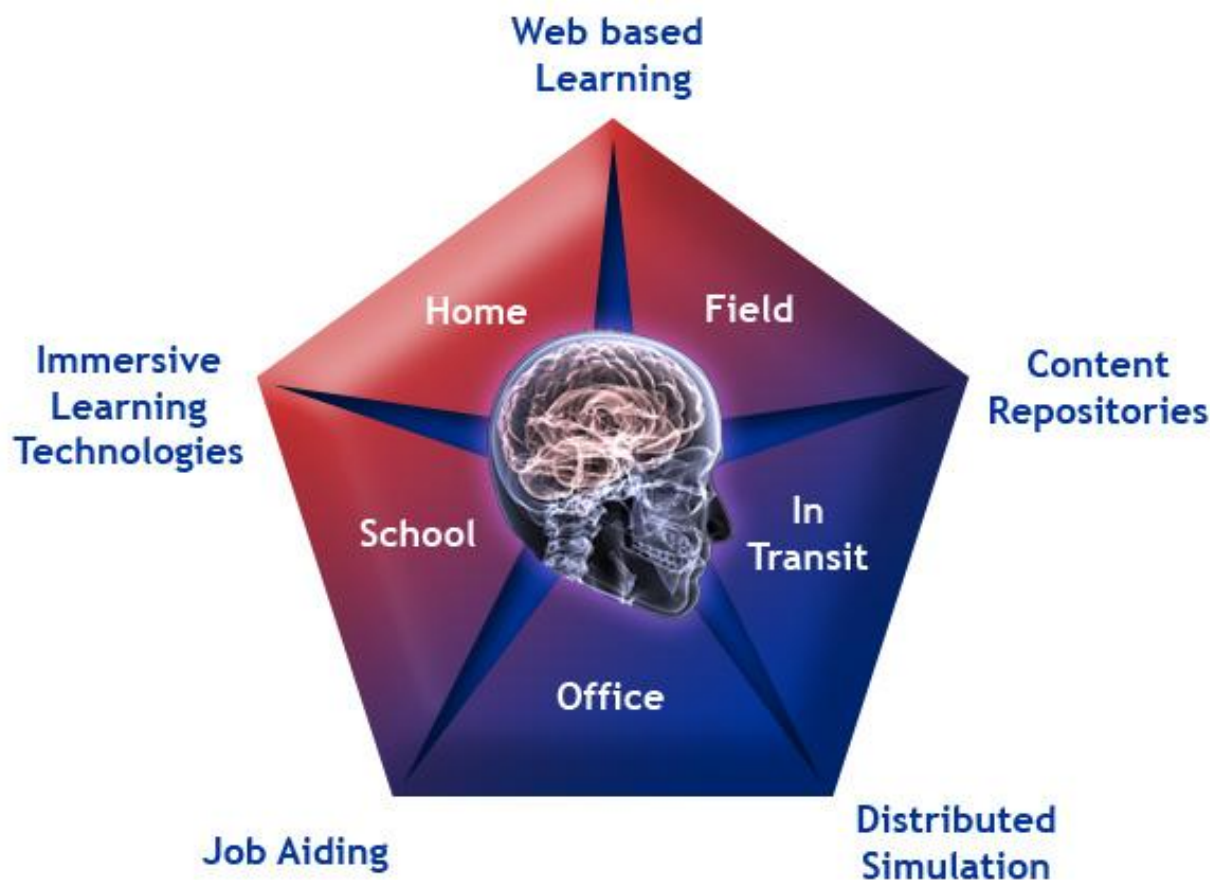
The Last Decade

Dr. Kristy Murray

Report Documentation Page				Form Approved OMB No. 0704-0188	
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ADL Vision

**Provide access to the highest quality education and training,
tailored to individual needs, delivered cost effectively,
anywhere and anytime.**



ADL Initiative



ADL Initiative

1999

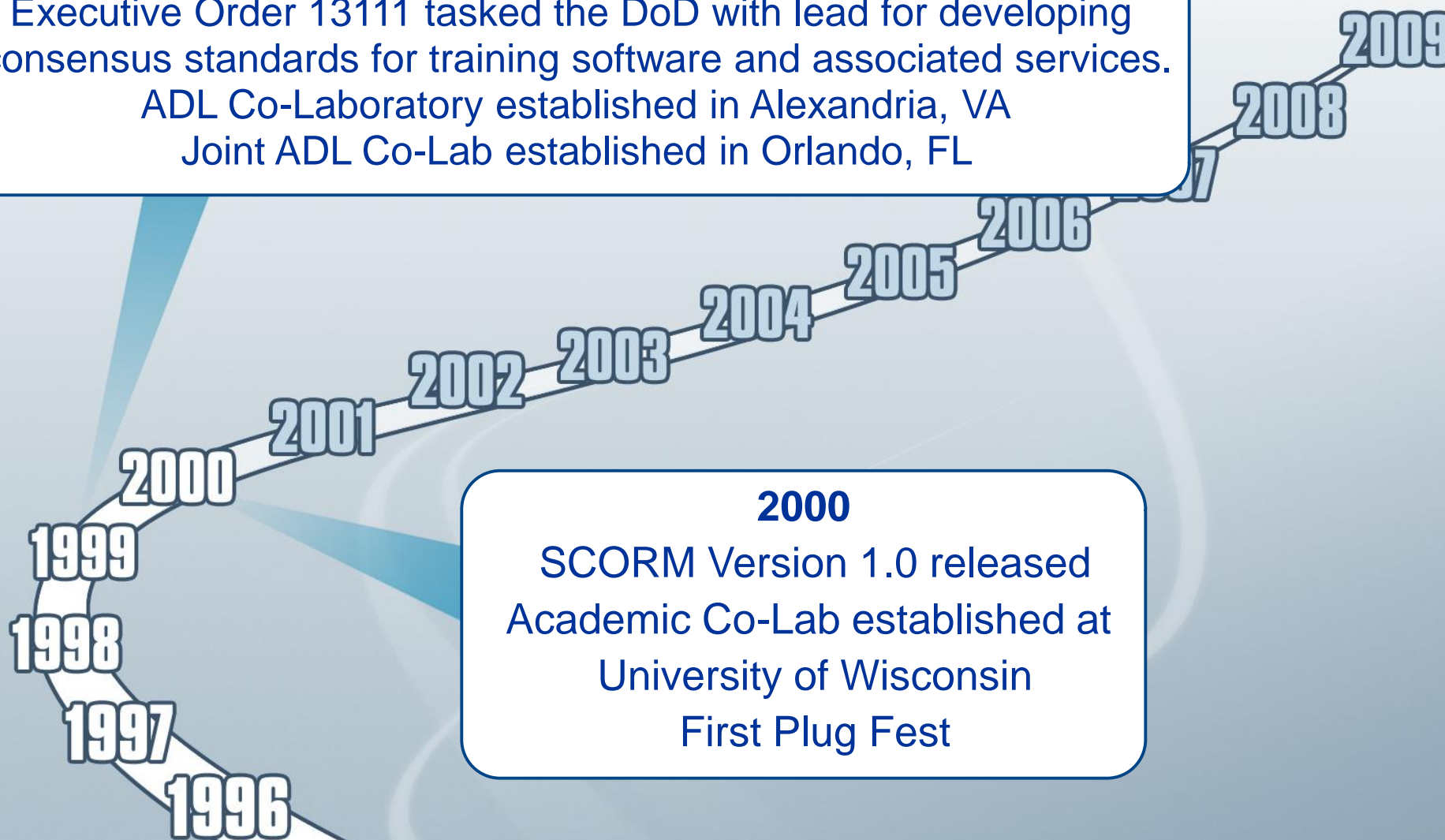
Executive Order 13111 tasked the DoD with lead for developing consensus standards for training software and associated services.

ADL Co-Laboratory established in Alexandria, VA

Joint ADL Co-Lab established in Orlando, FL

2000

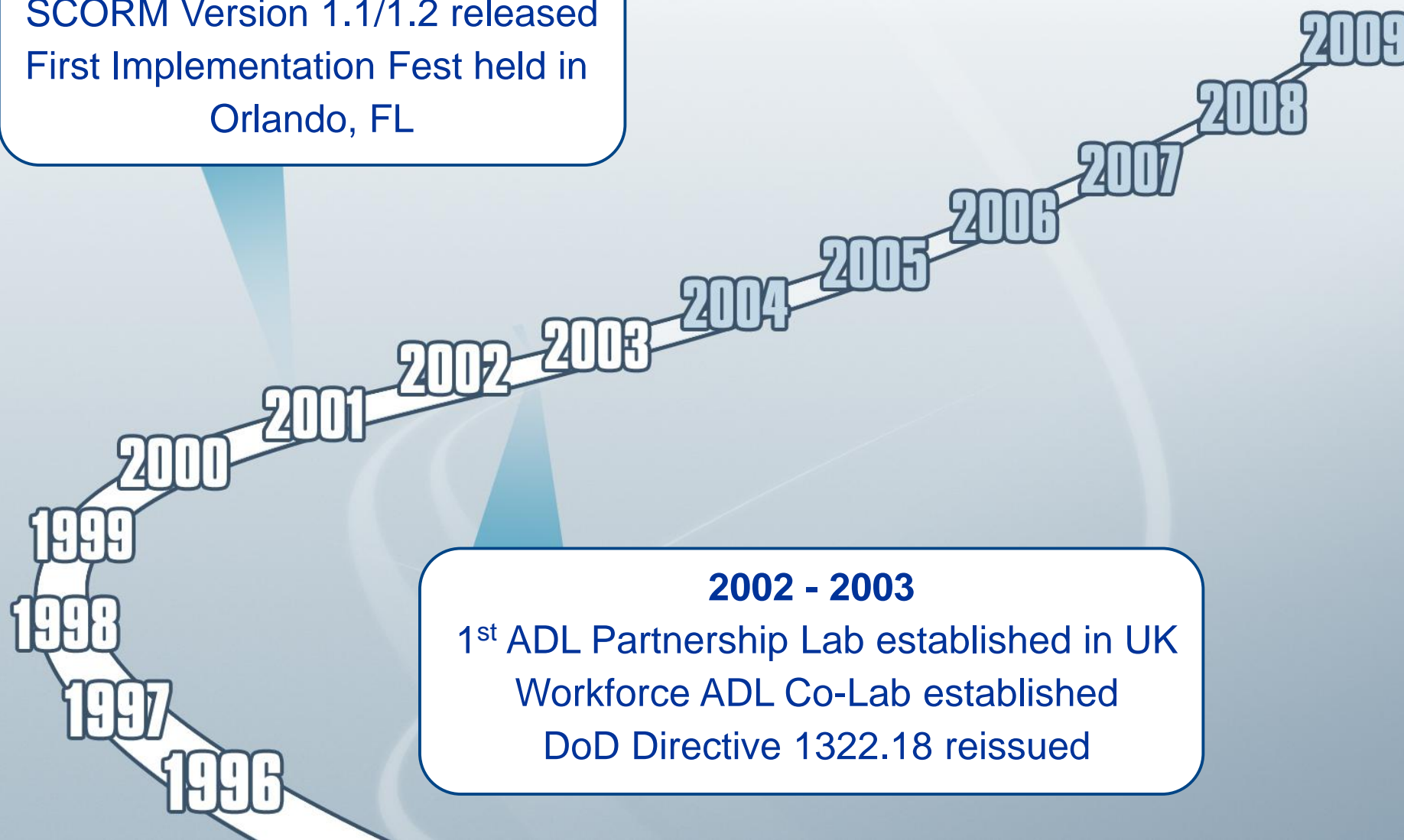
SCORM Version 1.0 released
Academic Co-Lab established at
University of Wisconsin
First Plug Fest



ADL Initiative

2001

SCORM Version 1.1/1.2 released
First Implementation Fest held in
Orlando, FL



2002 - 2003

1st ADL Partnership Lab established in UK
Workforce ADL Co-Lab established
DoD Directive 1322.18 reissued

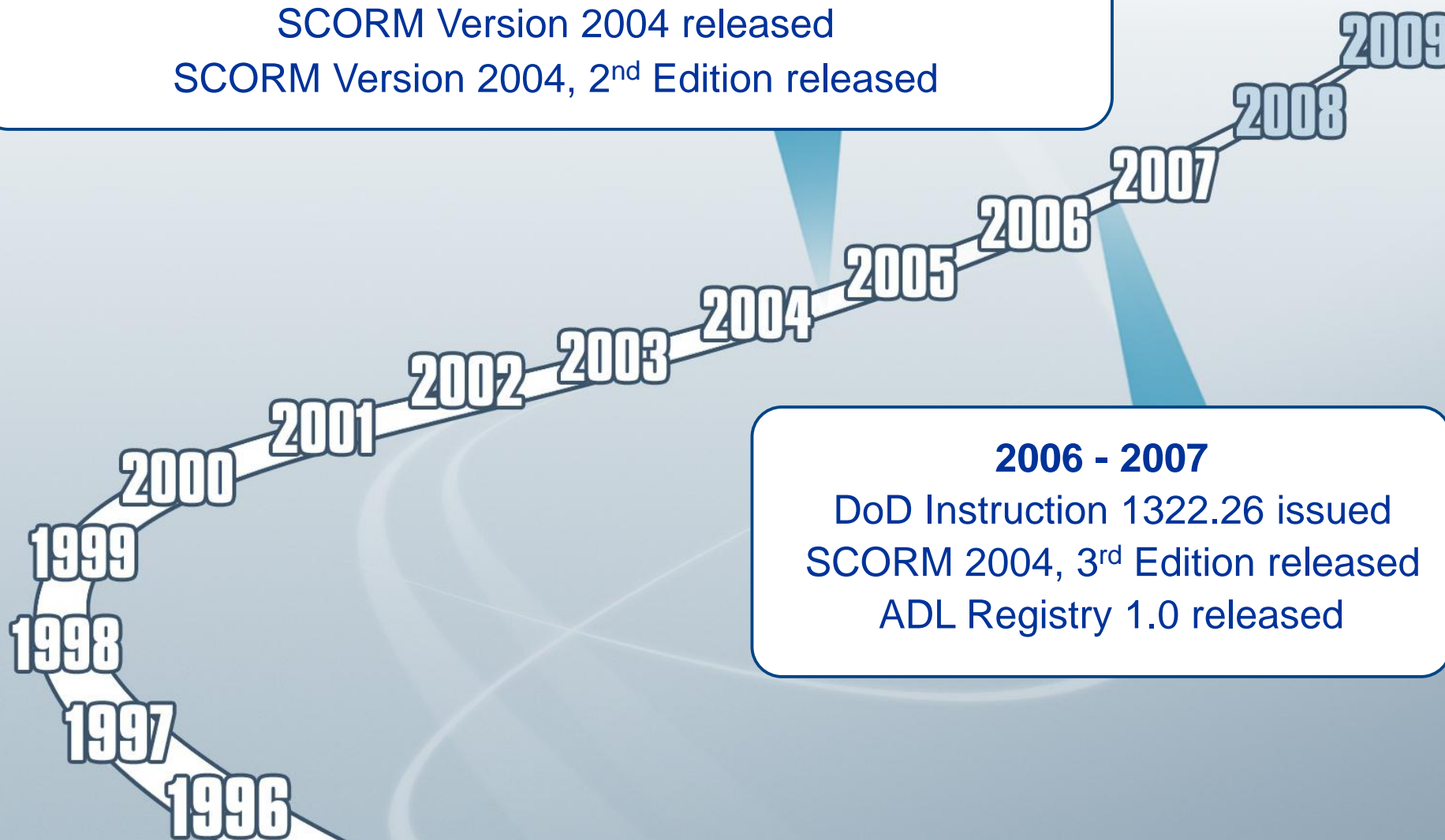
ADL Initiative

2004 - 2005

First International Plug Fest conducted in Zurich, Switzerland

SCORM Version 2004 released

SCORM Version 2004, 2nd Edition released



2006 - 2007

DoD Instruction 1322.26 issued

SCORM 2004, 3rd Edition released

ADL Registry 1.0 released

ADL Initiative

2008

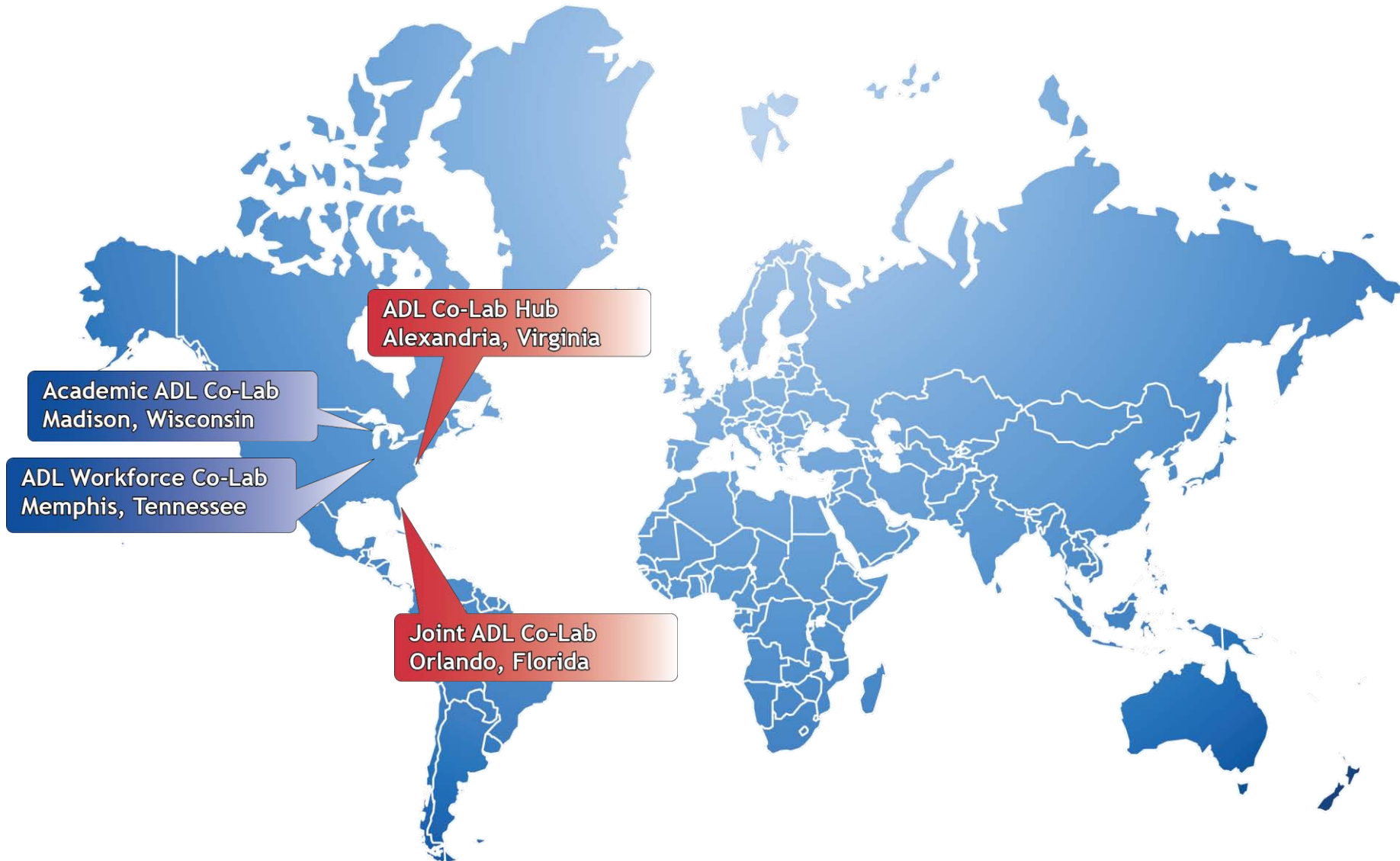
Defense ADL Action Team established
Defense ADL (DADL) Working
Group established



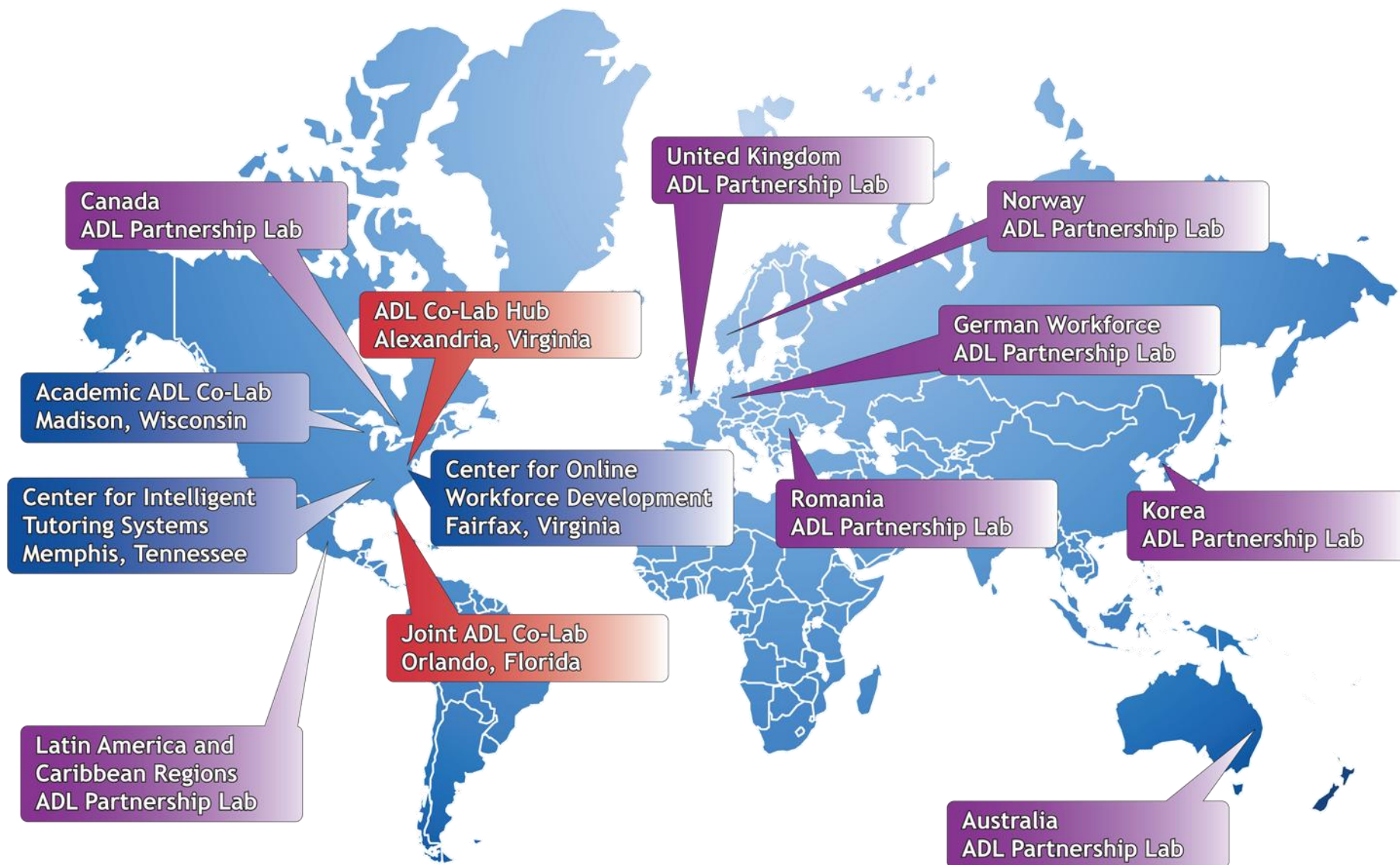
2009

ADL Registry Version 1.7 released
SCORM 2004, 4th Edition released

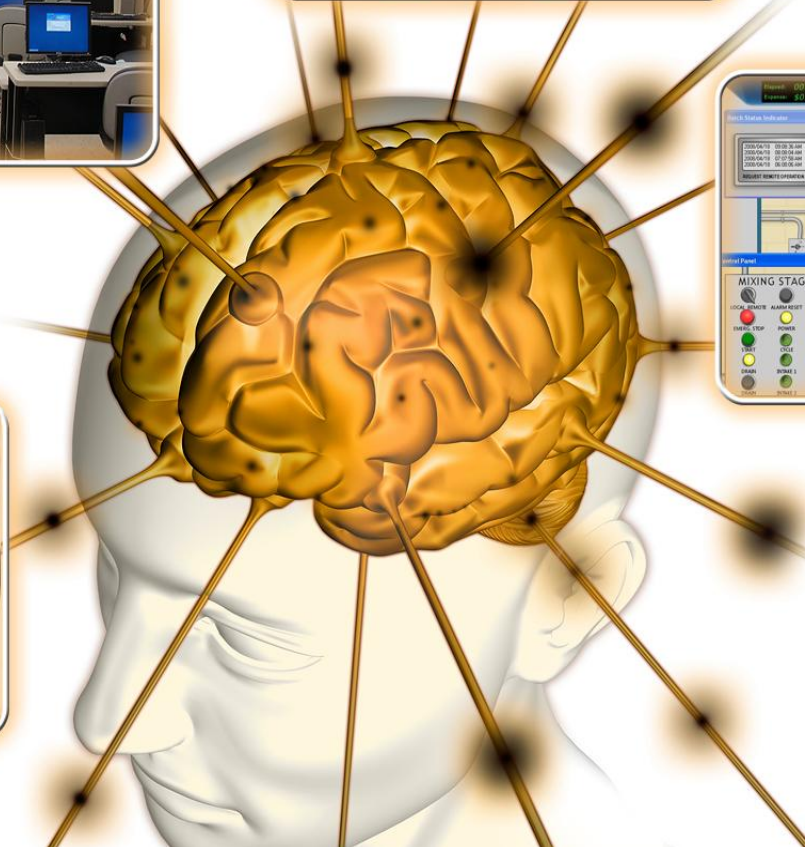
ADL Labs & Centers



International Collaboration

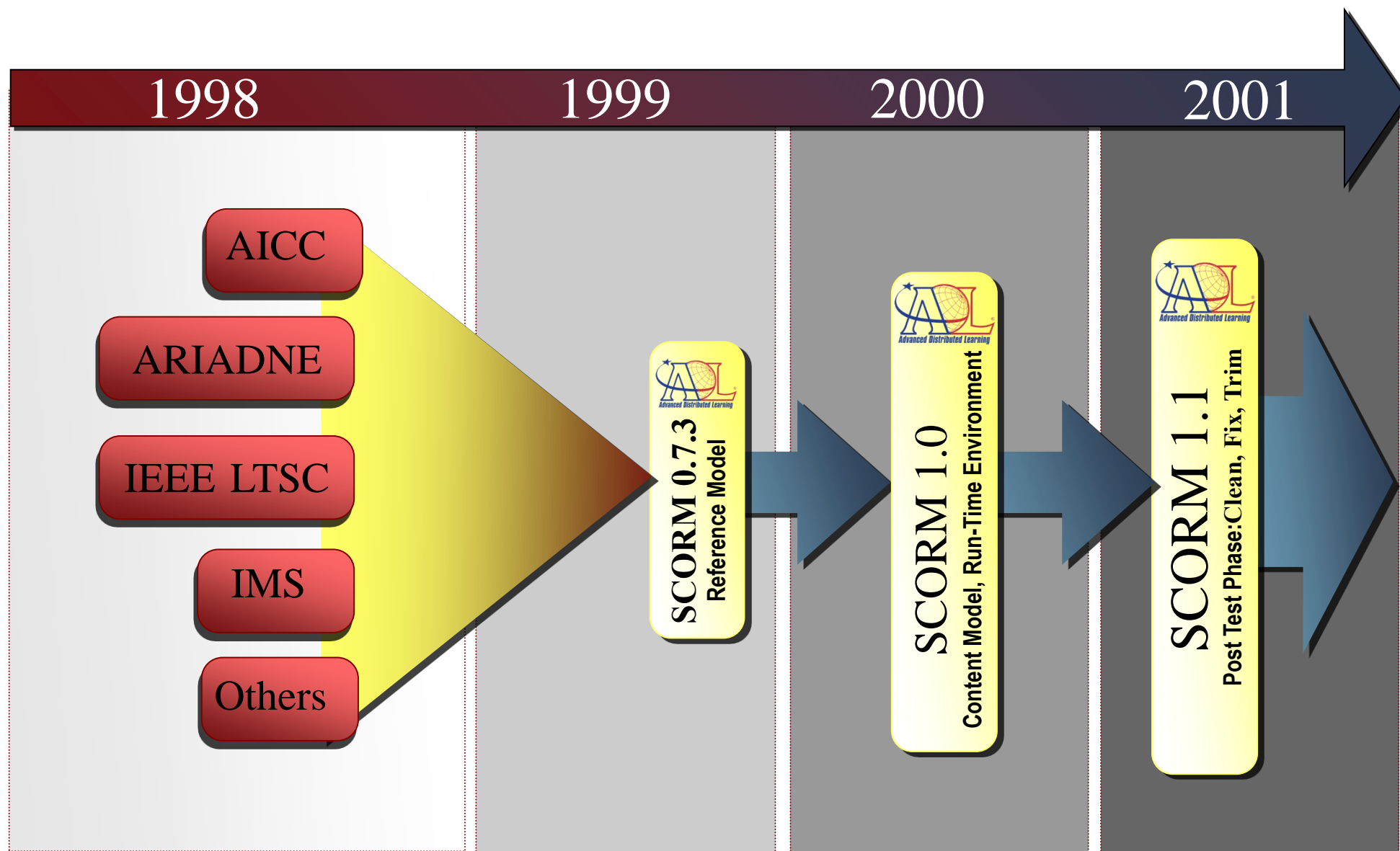


Technology's Effects to Instructional Systems Design – Yesterday



Technology's Effects to Instructional Systems Design - Today





SCORM Today

SCORM 1.1

Content Aggregation Model:
Metadata + Binding

Run Time Environment:
API + Data Model

SCORM 1.2

Content Aggregation Model:
Metadata + Binding;
Adds: Content Packaging & Content Organization

Run Time Environment:
API + Data Model
(updated/fixed)

SCORM "2004"

Content Aggregation Model:
Metadata + Binding;
Content Packaging & Content Organization
(updated/fixed)

Run Time Environment:
API + Data Model
(updated/fixed)

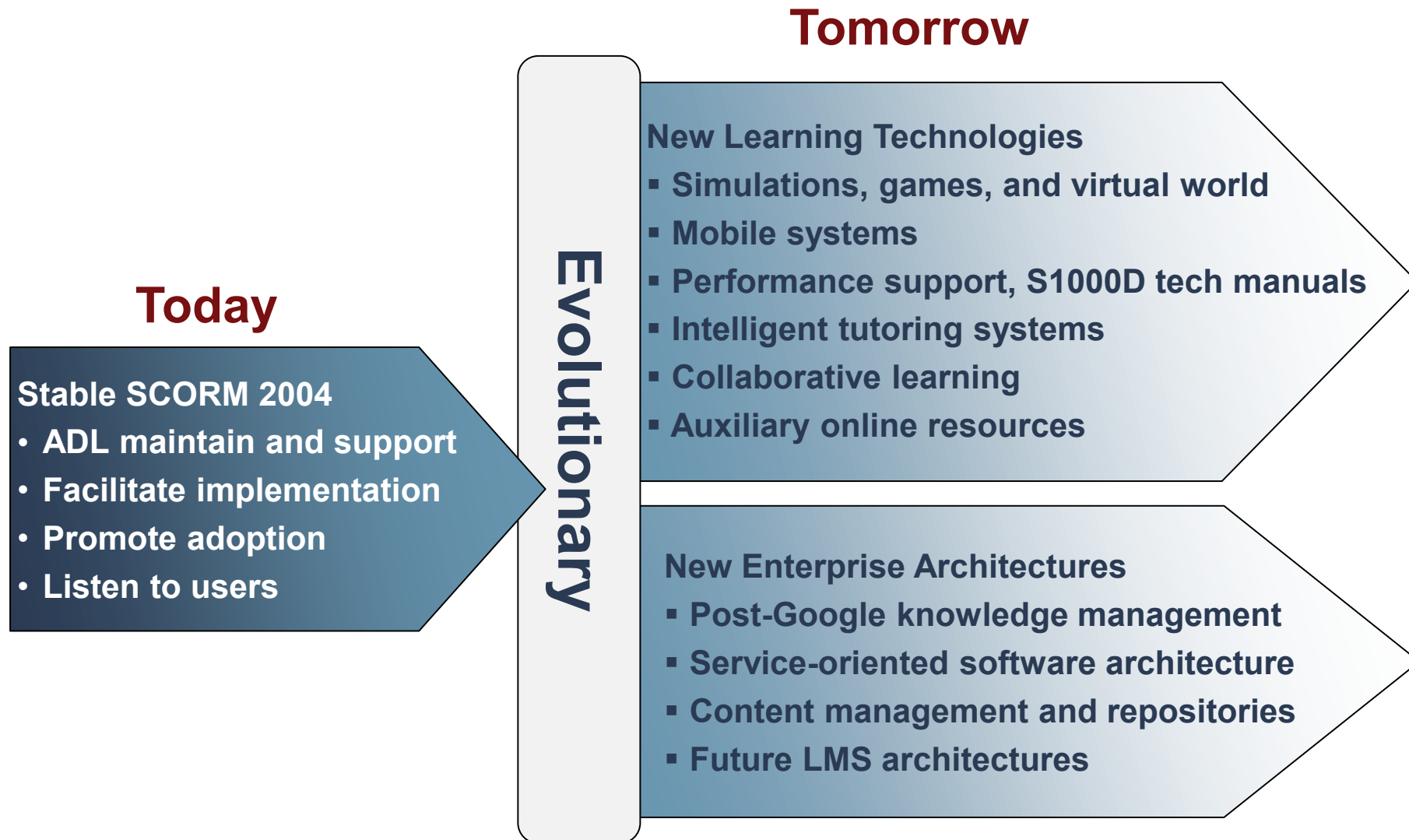
CAM 1.3

RTE 1.3

SCORM Certified Products 305
SCORM Adopters 334

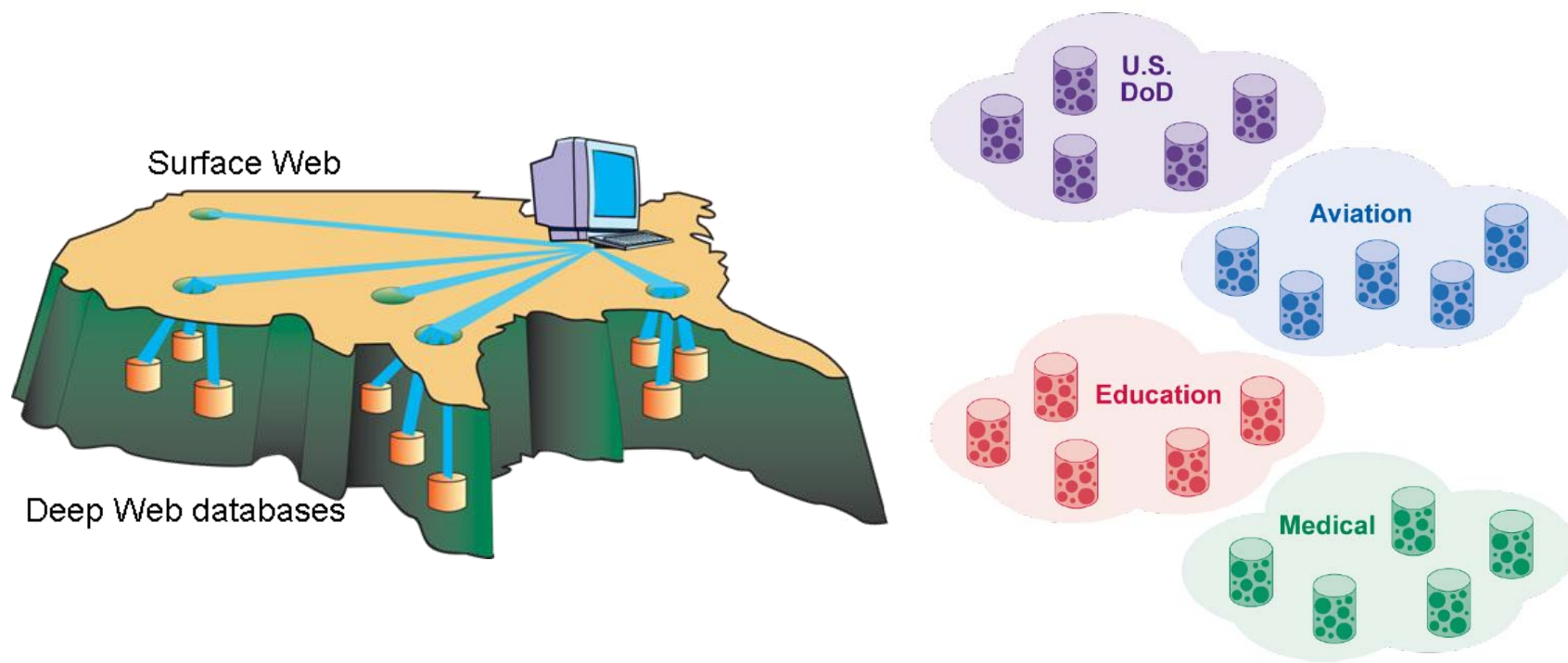
Sequencing & Navigation:
Rules and Behaviors
(new)

S&N 1.3

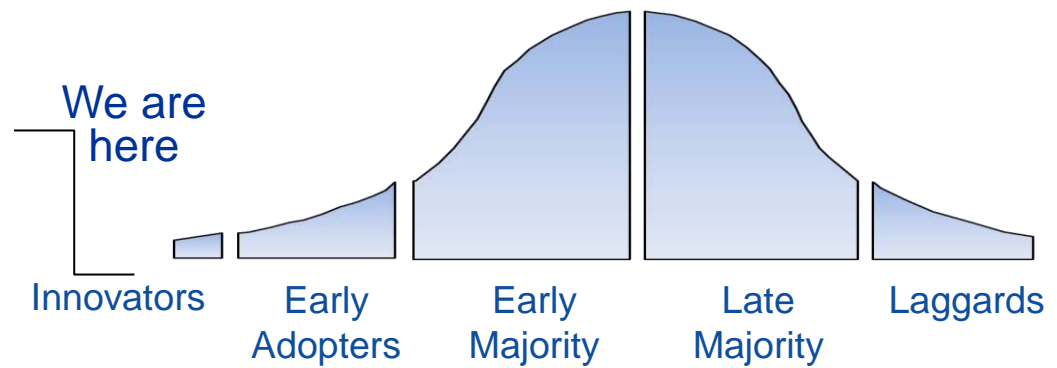
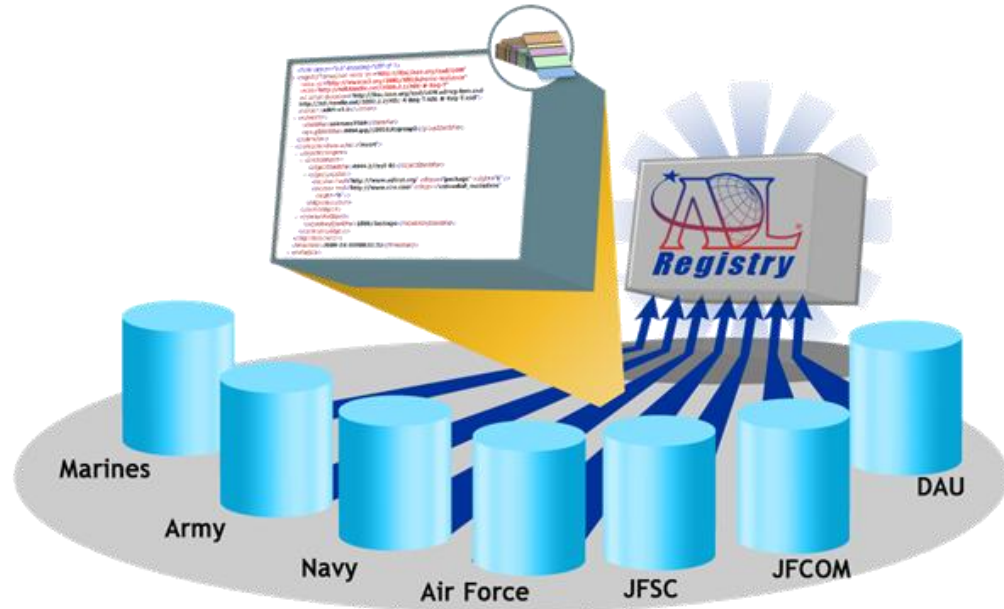


CORDRA Yesterday

“It doesn’t do much good to have interoperable and reusable digital objects if people can’t find and use them”

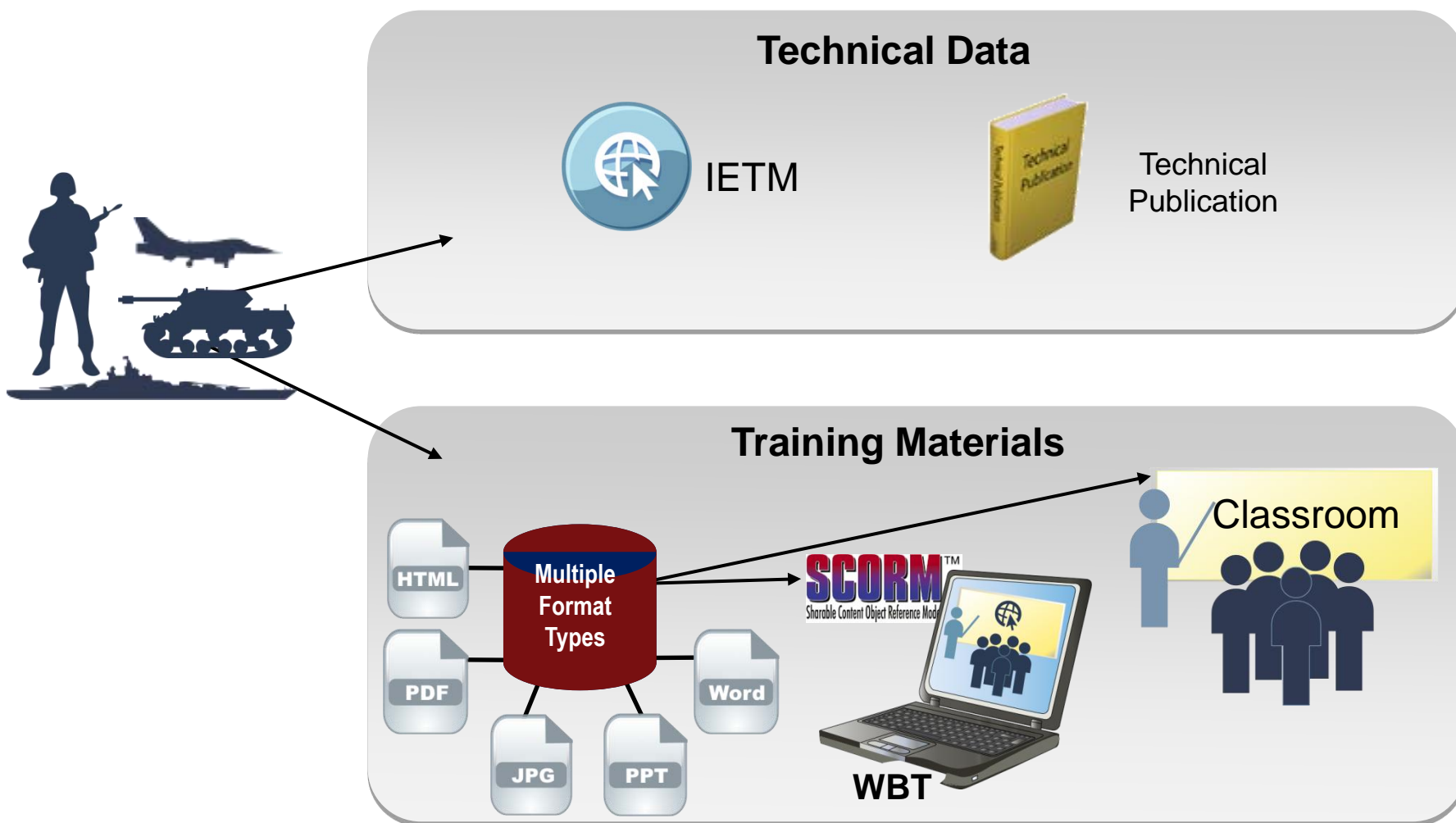


CORDRA Today

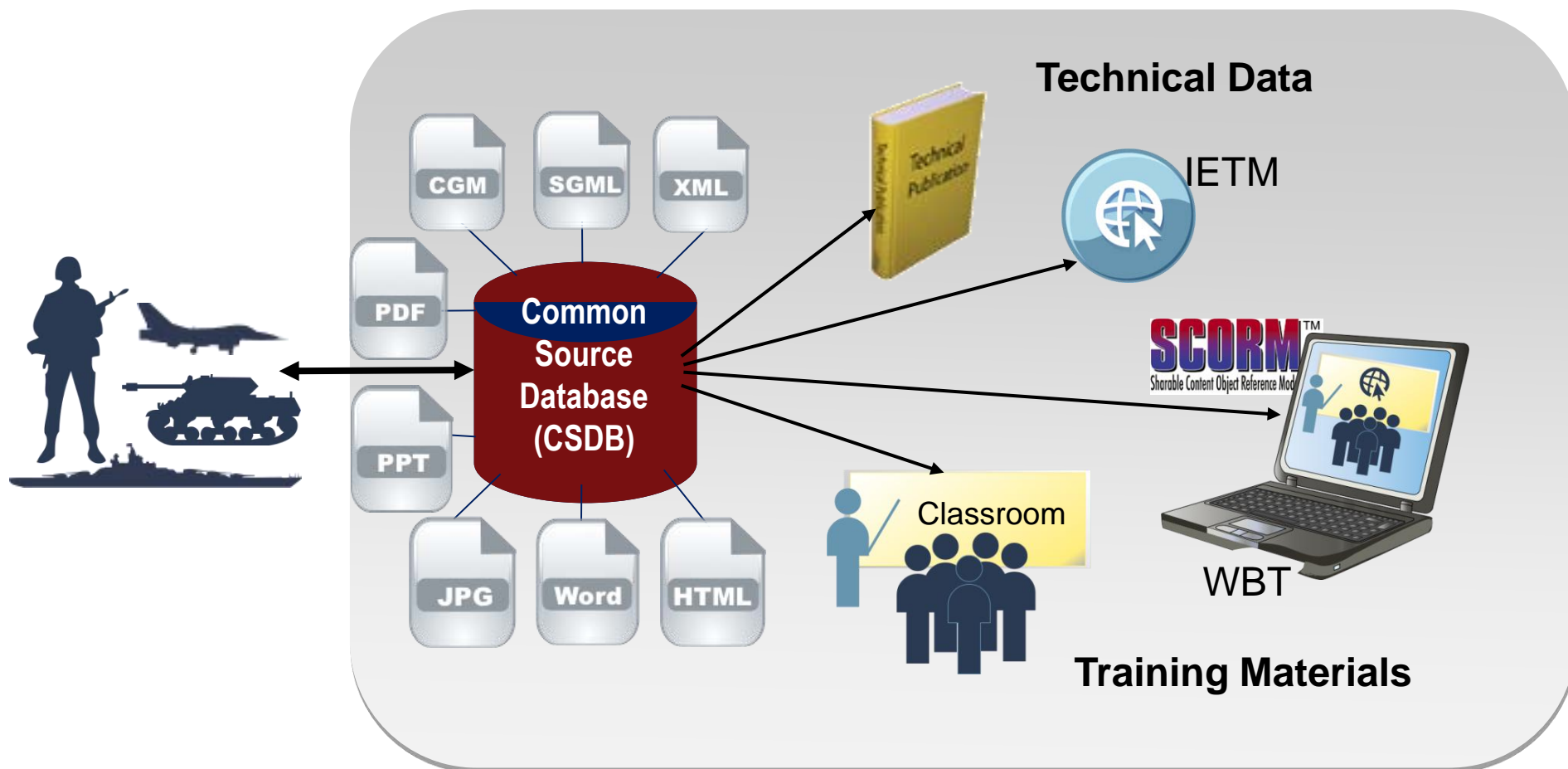


CORDRA Future





SCORM / S1000D Harmonization Future



Immersive Learning



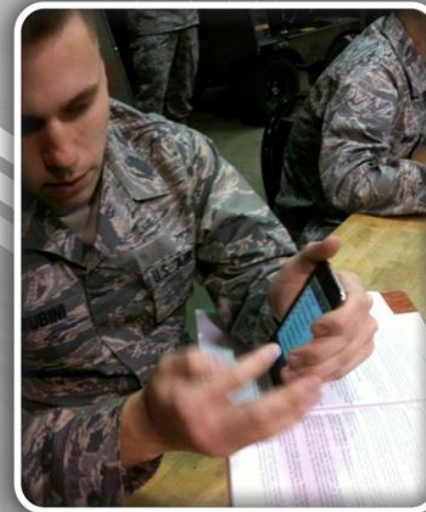
Games – 08/09 revenues of \$41billion



Virtual Worlds - 1.5 million Second Life users in the last 60 days



Social Networking - more than 400 million Facebook users

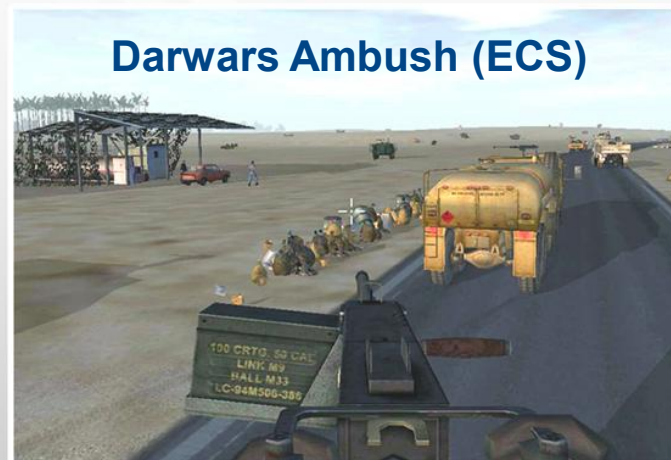


Mobile - Phones are outselling PC's 3:1 with Smart Phone users spend ~80-90 min./day using apps

Games Yesterday



USMC Tactical Combat Casualty Care (TC3)



Gator 6 (Will Interactive)



Games Today

Enhanced Learning Environment using Creative Technology – Bilateral Negotiations Trainer (Elect BiLat)



Red Owl Sniper Bot



VBS2



Games Future



Back to the Future

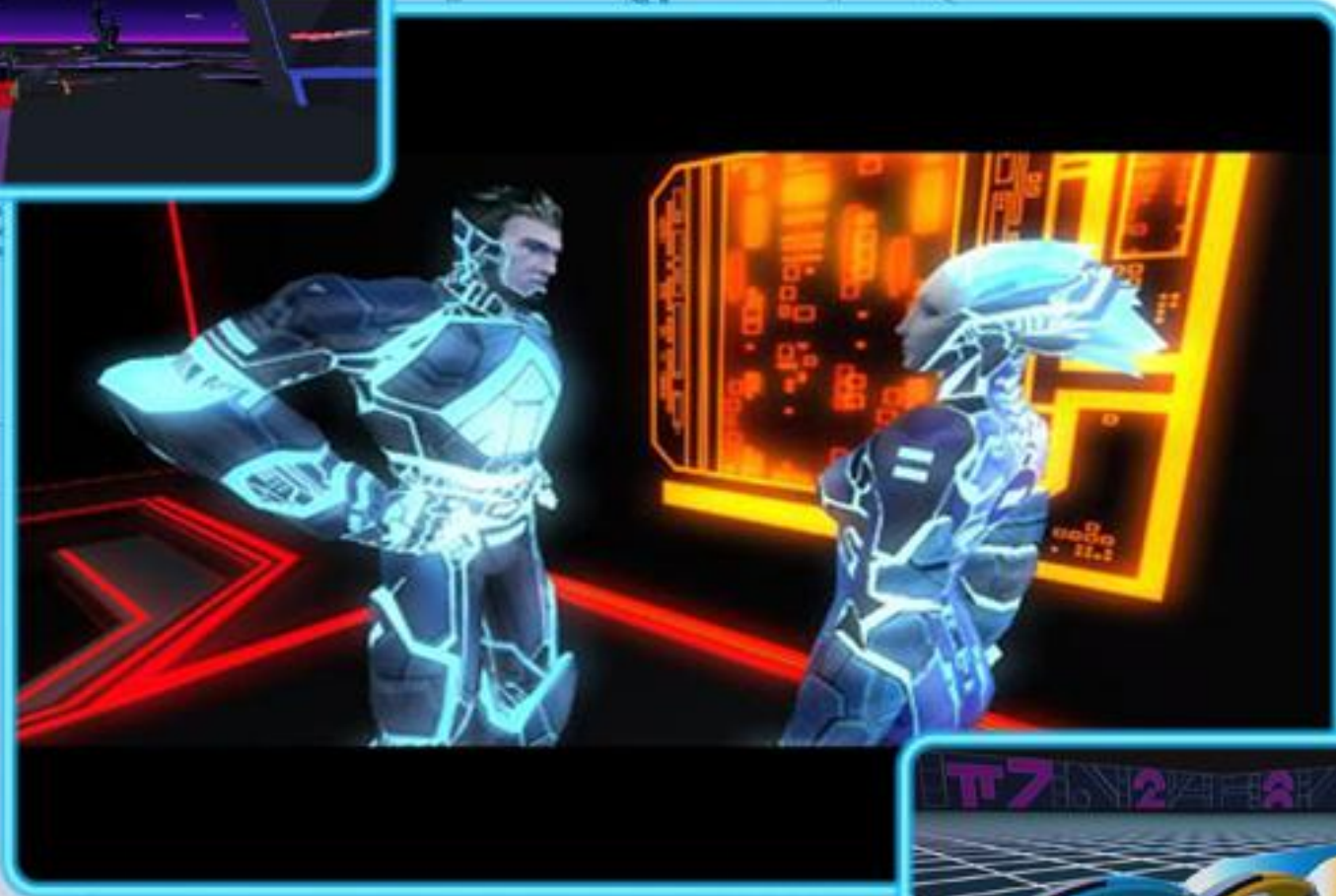


Microsoft Kinect



+	+	+	+	+	+		:	:
+	+	+	+	+	+		:	:
+	+	+	+	+	+		:	:
+	+	+	+	+	+		:	:

Virtual Worlds Yesterday



TRON



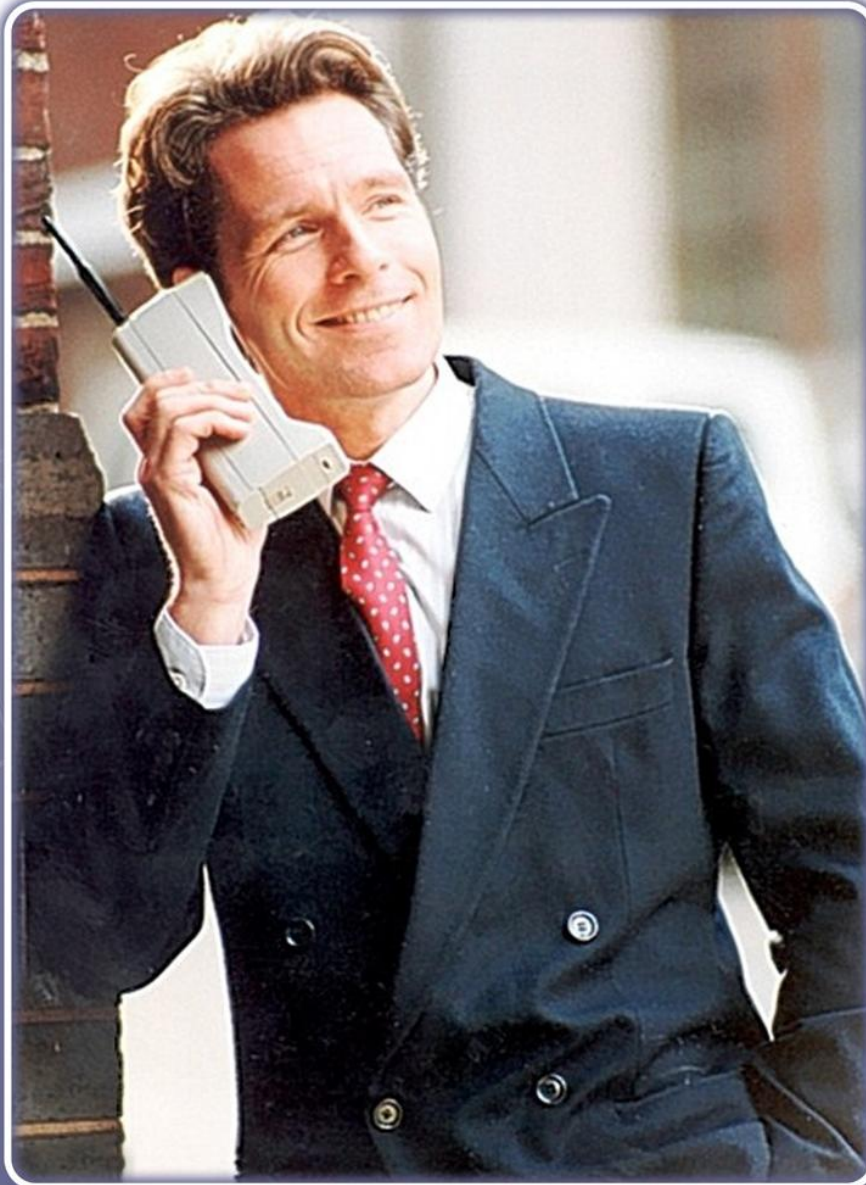
Virtual Worlds Today



Virtual Worlds Future



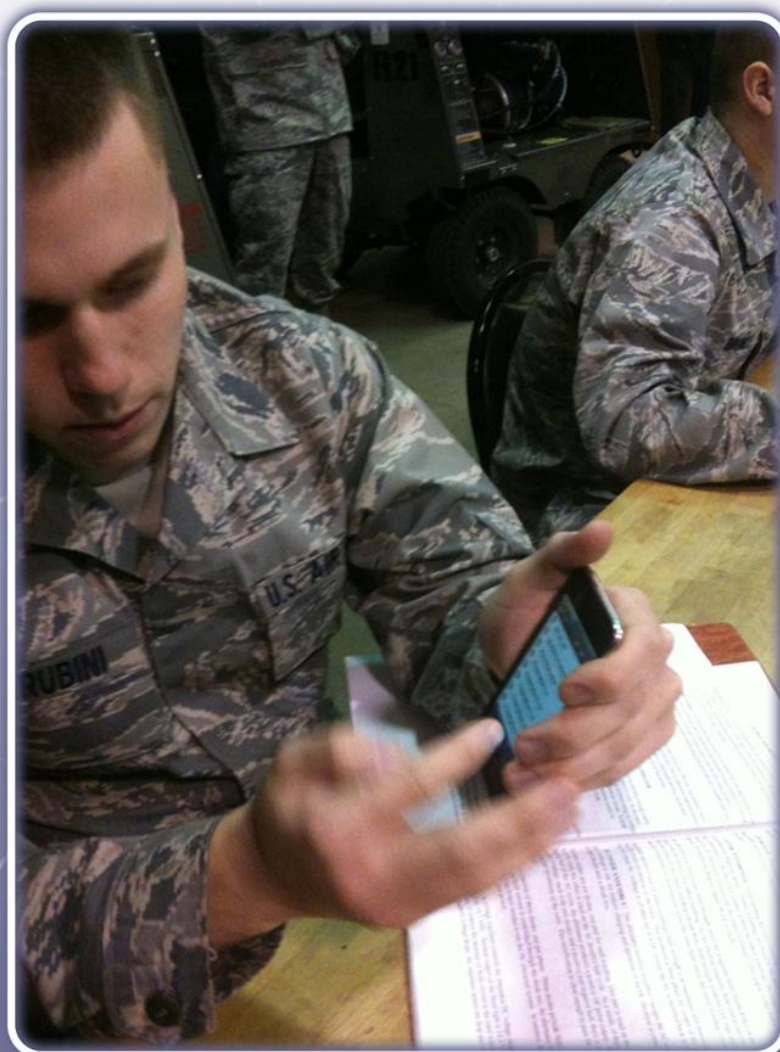
Mobile Yesterday



Mobile Today

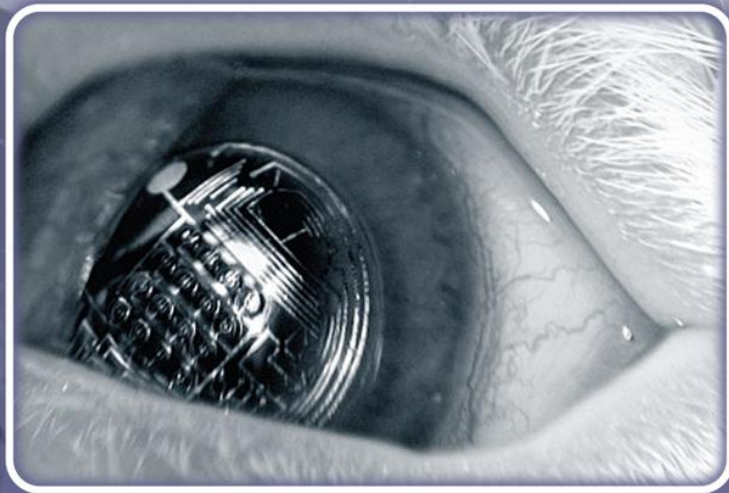
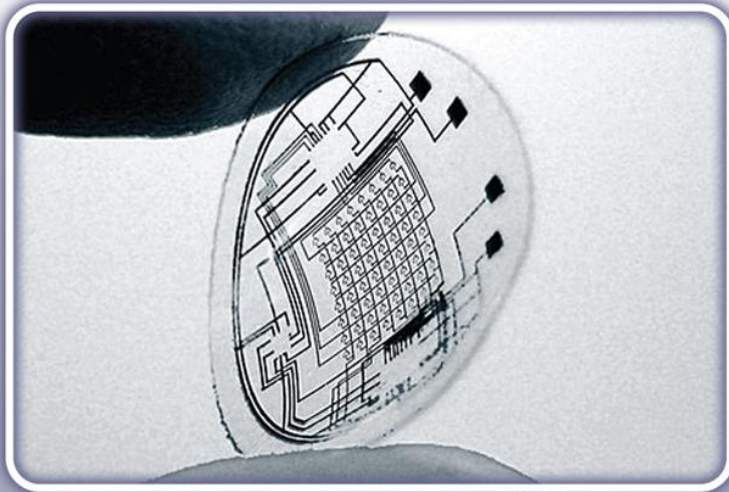


V Communicator



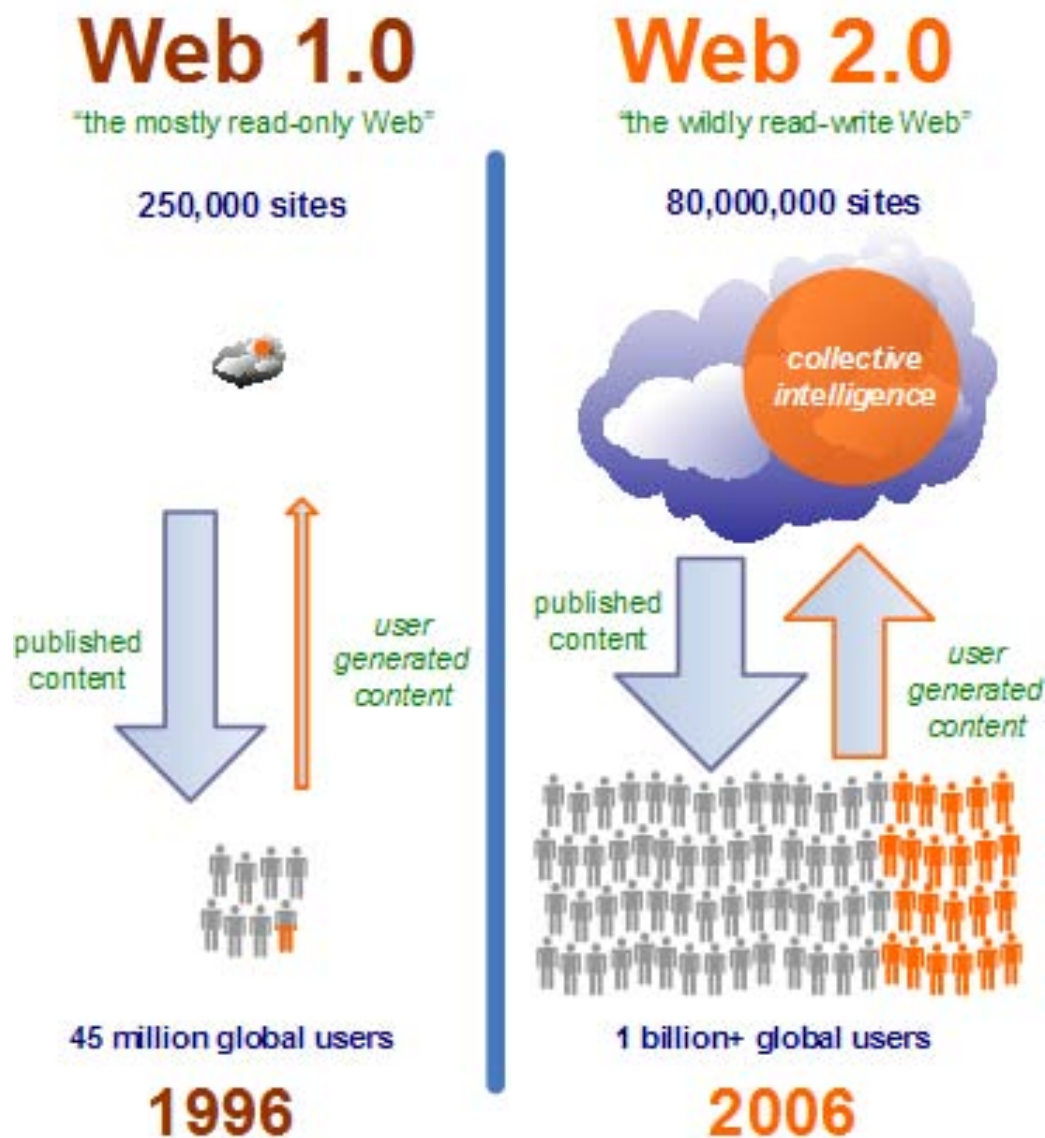
Apps for Army Program

Mobile Future



The Future

Social Media Yesterday



Social Media Today & Future



“For leaders, ... it's really important to be connected to that and understand it... I think communicating that way and moving information around that way -- whether it's administrative information or information in warfare -- is absolutely critical.” **Navy Adm. Mike Mullen, Chairman of the Joint Chiefs of Staff**

Research – Early Focus

- Since the beginning the focus of the R&D program has been to fund research to further the ADL Initiative
- Approximately \$1.5M per year was awarded starting in 2000
- In a nutshell, the general “focus” over the first seven years:
 - 2000-2003 – Incentivize SCORM development and courseware best practices
 - 2003-2005 – Investigated: repository/registry mechanisms, sequencing development, and serious games
 - 2005-2007 – Integrated Prototype Architecture and continued research in simulations/games integration

Early Research



Deployable Virtual Training Environment (DVTE)



Civil Support Team Trainer (CSTT)



Cultural Familiarization and Language Training



Tactical Command Casualty Care (TC3)

Research Today

Eduworks and College of Continuing Education USMC

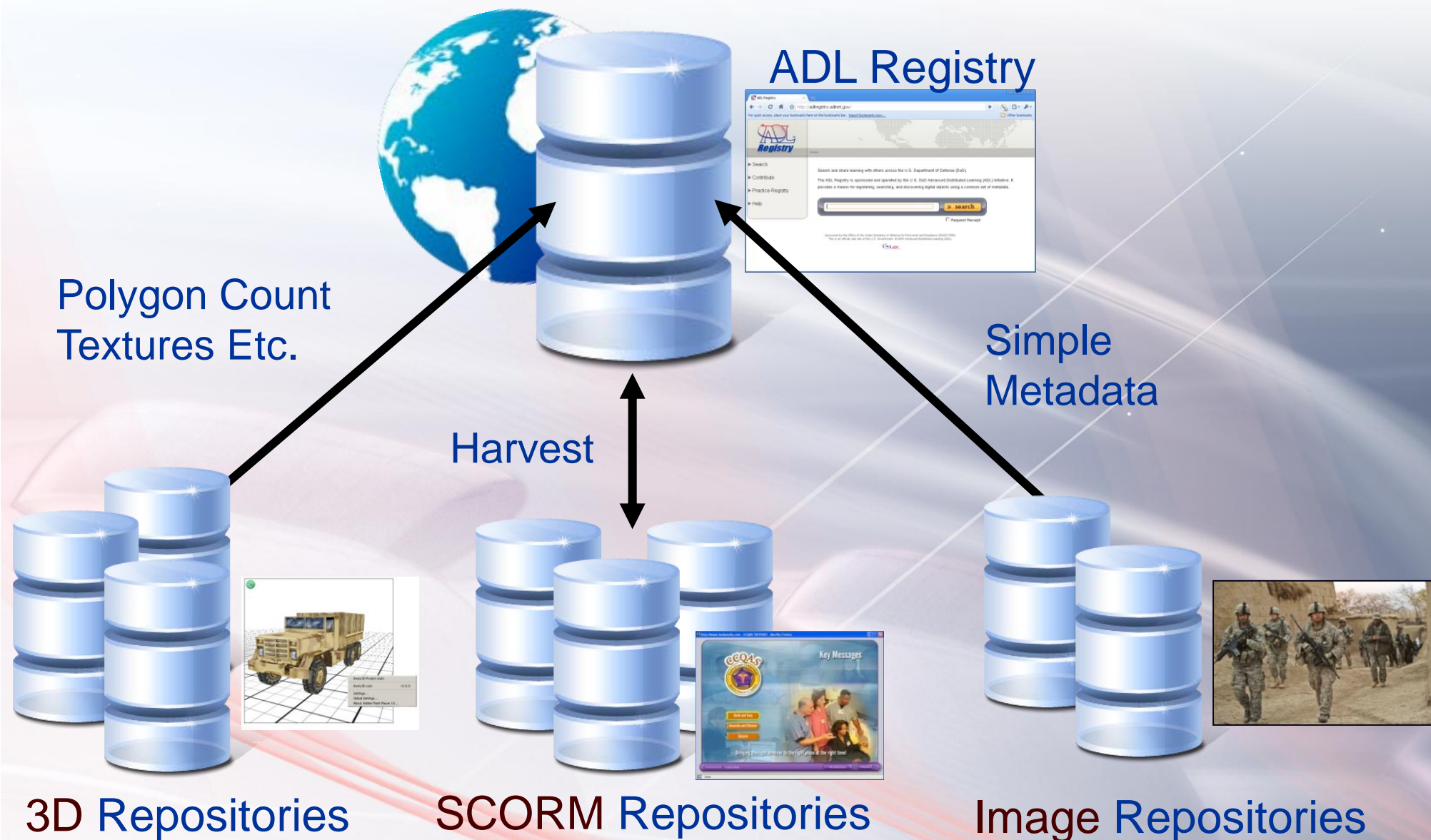


The image displays two overlapping windows. The background window is the website for the United States Marine Corps College of Distance Education and Training. It features a red header with the college's name and a navigation menu on the left with links to various programs and resources. The main content area includes a 'Welcome to CCE: Training' banner and a 'MarineNet' section.

The foreground window is the 'ADL Registry Desktop Registry Tool'. It has a title bar that reads 'ADL Registry'. The main area contains a large red arrow pointing to a 'File' icon, with the text 'Drag-and-drop files here or browse for a file.' Below this is a 'Workflow' section with a numbered list: 1. Select content, 2. Generate registry record, 3. Edit record, 4. Register content, 5. Get receipt. To the right of the workflow is an 'About' section that describes the tool's functionality. At the bottom of the window, a status bar reads 'ADL-R Status: Client IP address does not match as specified in the Client Access Key'.

Research Today

Corporation for National Research Initiatives



Mobile content delivery platforms



Adaptive Stance Study with Ministry of Defense Advisors (MODA)

SCORM Communications Framework Modernization

Anonymous Data Brokering

E-learning Reuse Integration, Automation, and Support System

Assessment in Complex Simulations

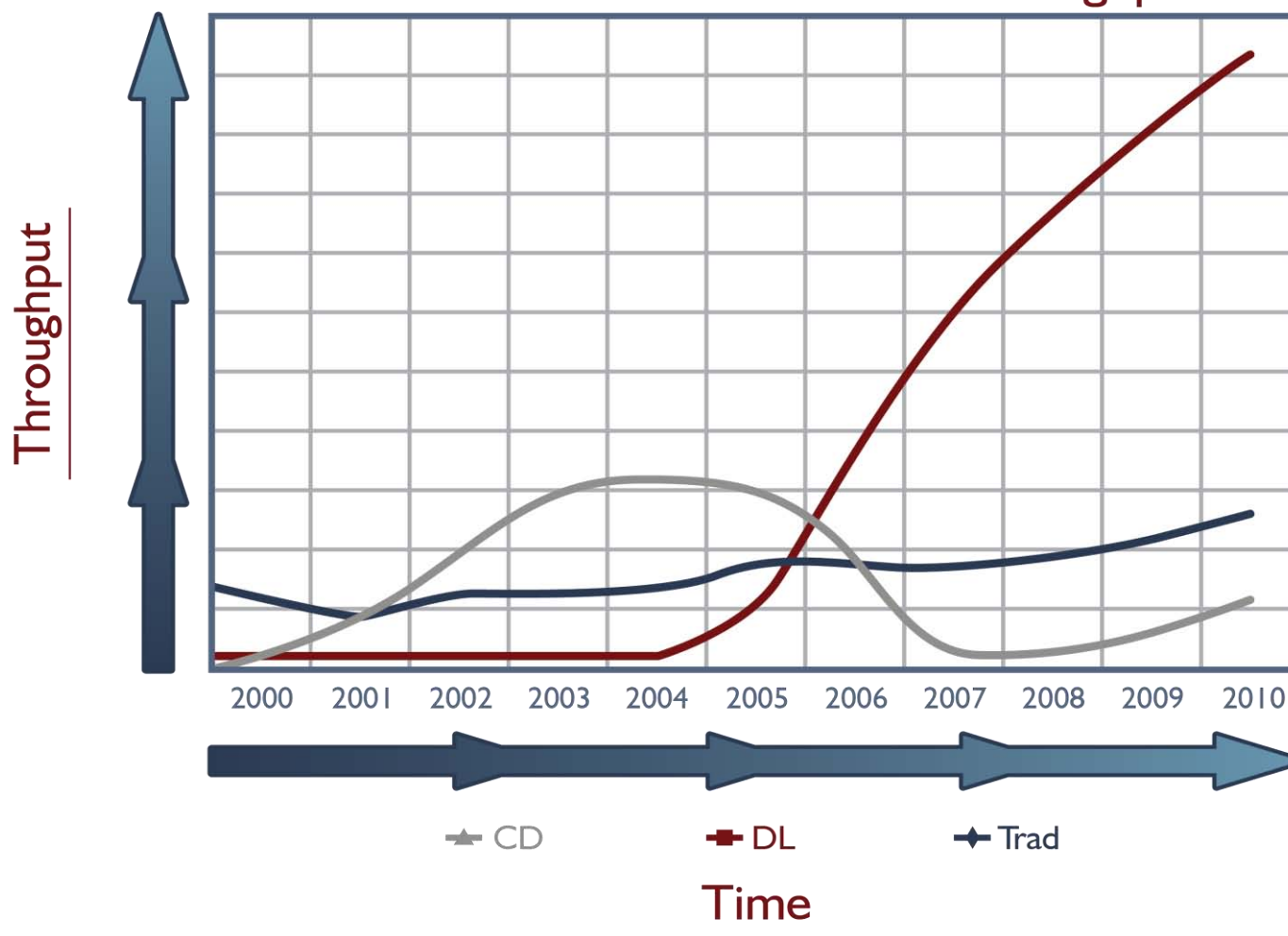


ADL Initiative

Impact

ADL: The Last Decade

Increased Access = Increased Throughput



Impact

- USMC
 - Enrollments: 1,215,349
 - Completions: 698,965
- Army
 - Enrollments: 1,143,644
 - Completions: 543,570
- Navy
 - Enrollments: 6,228,331
 - Completions: 5,441,794
- Air Force
 - Enrollments: 7,678,210
 - Completions: 7,181,833



Evolve Standards

Identify Research Areas needed to achieve potential

Expand International Collaboration

Evolve Registry/Repository

Improved Content Discovery



ImplementationFest 2010
10-12 August
Rosen Centre, Orlando, FL

Dr. Kristy S. Murray
Director, ADL Initiative